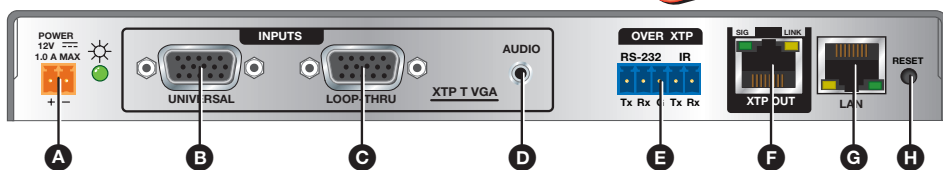


XTP T VGA • Setup Guide

This guide provides instructions for an experienced installer to install and connect the Extron XTP T VGA transmitter. For complete instructions, see the *XTP T VGA User Guide* at www.extron.com.



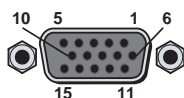
Power and Input Connections	Throughput Connections and Reset Button
A DC power connector and LED indicator B Universal analog 15-pin HD connector C Analog 15-pin HD loop-through connector D Analog audio input connector	E RS-232/IR Over XTP connector F XTP output connector G LAN connector H Reset button

Figure 1. Rear Panel Features

Installation

Step 1 — Mounting

Turn off or disconnect all equipment power sources and mount the switcher as required (see the *XTP T VGA User Guide* on the Extron website, www.extron.com, for mounting considerations)



15-pin HD Connector Pinout for RGB Video					
Pin	Function	Pin	Function	Pin	Function
1	Red video	6	Red return	11	Monitor ID bit
2	Green video	7	Green return	12	Monitor ID bit
3	Blue video	8	Blue return	13	H. sync
4	Monitor ID bit	9	Not used	14	V. sync
5	H. sync return	10	V. sync return	15	Monitor ID bit

Step 2 — Connecting inputs

- Connect an analog RGB video source or (with an appropriate adapter) a YUV, S-video, or composite video source to the female 15-pin HD connector (see figure 1, **B**).
- The 15-pin HD Connector Pinout for RGB Video table above shows the pinout configuration for RGB video. For component video, use the R (R-Y) and R return pins (pins 1 and 6), G (Y) and G return pins (pins 2 and 7), and B (B-Y) and B return pins (pins 3 and 8). For S-video, use the B, B return (C-chroma), G, and G return (Y-luma) pins. For composite video, use the G pin and the associated return pin. Input only sync signals, no video signals, on the sync pins, 13 and 14.
- Connect an analog RGB, YUV, S-video, or composite video display to the female 15-pin HD VGA connector for local loop-through display of the input source (see figure 1, **C**).
 - Connect an unbalanced analog audio input source to the 3.5 mm TRS jack (see figure 1, **D**).

Step 3 — Connecting Throughput Devices

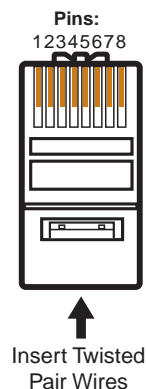
- Connect a twisted pair cable between the XTP connector of the XTP T VGA and an XTP receiver (see figure 1, **F**).

ATTENTION: Do not connect this connector to a computer data or telecommunications network.

The XTP T VGA is compatible with shielded twisted pair (F/UTP, SF/UTP, and S/FTP) cables. Extron recommends using the following practices to achieve full transmission distances up to 330 feet (100 meters) and reduce transmission errors.

- Use Extron XTP DTP 24 SF/UTP cable for the best performance. If not using XTP DTP 24 cable, at a minimum, Extron recommends 24 AWG, solid conductor, STP cable with a minimum bandwidth of 400 MHz.
- Terminate cables with shielded connectors to the TIA/EIA-T568B standard.
- Limit the use of more than two pass-through points, which may include patch points, punch down connectors, couplers, and power injectors. If these pass-through points are required, use shielded couplers and punch down connectors.

TIA/EIA-T568B	
Pin	Wire Color
1	White-orange
2	Orange
3	White-green
4	Blue
5	White-blue
6	Green
7	White-brown
8	Brown



NOTE: When using shielded twisted pair cable in bundles or conduits, consider the following:

- Do not exceed 40% fill capacity in conduits.
- Do not comb the cable for the first 20 m, where cables are straightened, aligned, and secured in tight bundles.
- Loosely place cables and limit the use of tie wraps or hook-and-loop fasteners.
- Separate twisted pair cables from AC power cables.

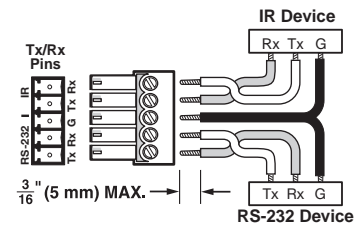
Signal LED — Lights when the device is transmitting a video signal or a test pattern.

Link LED — Lights when a valid link between an XTP input and output is established.

- b. To pass bidirectional serial, infrared, or other control signals, connect a control device or a device to be controlled to the RS-232 and IR Over XTP connector (see figure 1, **E**).

NOTE: RS-232 and IR data can be transmitted simultaneously.

- c. Connect a host device or control LAN or WAN to the LAN RJ-45 connector for pass-through 10/100 Base-T Ethernet communication (see figure 1, **G**). This is an Ethernet pass-through port with LEDs to indicate link and activity status.



Step 4 — Connecting Control Devices

Connect a host device, such as a computer, to the female USB mini-B port on the front panel to configure the transmitter or update firmware (see figure 2, **B** below).

Step 5 — Connecting Power

Power the XTP T VGA in one of the following methods:

- Connect the provided external 12 V, 1.0 A power supply to the 2-pole captive screw connector for local power (see figure 1, **A**).
- Connect an XTP Power Injector to the XTP connection between the XTP T VGA and a locally powered XTP receiver or XTP matrix switcher (see the *XTP Power Injector User Guide* for more details).
- Connect the XTP T VGA to an XTP matrix switcher and enable the remote power features on the XTP matrix switcher.

ATTENTION: XTP remote power is intended for indoor use only. No part of the network that uses XTP remote power should be routed outdoors.

Operation

After all associated devices to the transmitter are connected and powered on, the system is fully operational. If any issues arise, verify that the cables are routed and connected properly.

NOTE: Use the Extron XTP System Configuration Software or SIS commands to configure the XTP T VGA (for more details, see the *XTP T VGA User Guide*, available on the Extron website, www.extron.com).

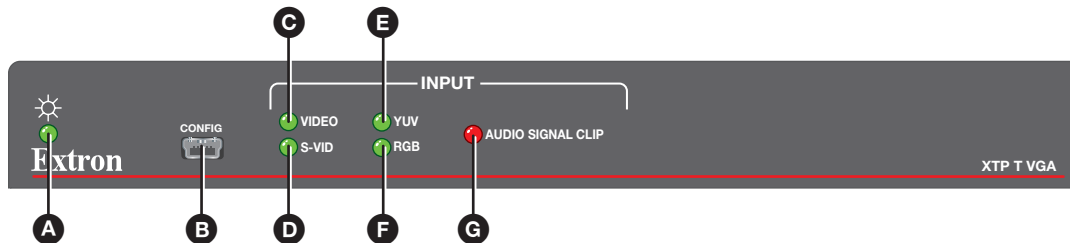


Figure 2. Front Panel Features

- A Power LED indicator** — Lights when power is applied to the transmitter. Lights in accordance with the rear panel Power LED indicator (see figure 1, **A**).
- B Config port** — Connect a host device to the USB mini-B port for transmitter configuration, control, and firmware upgrades.
- C Video LED indicator** — Lights when a composite video signal is detected.
- D S-Vid LED indicator** — Lights when an S-video signal is detected.
- E YUV LED indicator** — Lights when a component video signal is detected.
- F RGB LED indicator** — Lights when an RGB video signal is detected.
- G Audio Signal Clip LED indicator** — Lights when the analog audio input signal remains above -3 dBFS. It remains lit for 200 ms after the signal falls below -3 dBFS.

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